IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.(Currently Amended) An elastomeric stamp for printing a pattern on a substrate with an ink the stamp being at least partially formed from a first material, the stamp comprising a first surface in a first plane, a second surface in a second plane and a third surface extending from the first surface to the second ~~surface~~ surface, the third surface being permeable to the ~~ink~~ ink, the first surface comprising a barrier layer being substantially impermeable to the ~~ink~~ ink.

2.(Withdrawn) ~~An~~ The elastomeric stamp as claimed in claim 1, wherein the barrier layer is non-covalently bound to the first ~~surface~~ surface.

3.(Withdrawn) ~~An~~ The elastomeric stamp as claimed in claim 1, wherein the first barrier layer comprises an inorganic oxide.

4.(Withdrawn) ~~An~~ The elastomeric stamp as claimed in claim 1, wherein the first barrier layer comprises a polymer material.

5.(Withdrawn) ~~An~~ The elastomeric stamp as claimed in claim 1, wherein the first barrier layer comprises the first material in a modified form.

6.(Currently Amended) ~~An~~ The elastomeric stamp as claimed in claim 1, wherein the second surface comprises a further barrier layer being substantially impermeable to the ~~ink~~ ink.

7.(Currently Amended) ~~An~~ The elastomeric stamp as claimed in claim 6, wherein the first surface and the third surface form an angle between 60-90°.

8.(Withdrawn) ~~An~~ The elastomeric stamp as claimed in claim 6, wherein the further barrier layer is of the same material as the barrier ~~layer~~ layer.

9.(Withdrawn) A method for printing an ink in a pattern on a substrate of an electronic device using an elastomeric ~~stamp~~ stamp, the elastomeric stamp being at least partially formed from a first material, the elastomeric stamp comprising a first surface in a first plane, a second surface in a second plane and a third surface extending from the first surface to the second ~~surface~~ surface, the third surface being permeable to the ~~ink~~ ink, the first surface comprising a barrier layer being substantially impermeable to the ~~ink~~ ink, the method comprising the ~~steps~~ acts of:

bringing the elastomeric stamp into contact with a supply of an ink solution;

absorbing the ink solution in the first material;

cleaning at least the barrier layer of the elastomeric ~~stamp~~ stamp;

drying the elastomeric ~~stamp~~ stamp; and

forming at least a part of the pattern by placing the elastomeric stamp on the substrate with the barrier layer contacting the substrate and transferring the ink from the first material to the substrate via the third ~~surface~~ surface.

10.(Withdrawn) ~~A~~ The method as claimed in claim 9, wherein the ~~step~~ act of cleaning at least the barrier layer of the elastomeric stamp comprises rinsing the elastomeric stamp with a solvent.

11.(Withdrawn) A method of producing a patterned elastomeric stamp for printing an ink on a substrate of an electronic device, the method comprising the ~~steps~~ acts of:

providing a master having a first surface in a first plane, a second surface in a second plane and a third surface extending from the first surface to the second ~~surface~~ surface;

depositing a first material precursor on said surfaces of the ~~master~~ master;

generating an elastomeric stamp having a first surface in a

first plane, a second surface in a second plane and a third surface extending from the first surface to the second surface by transforming the first material precursor to a first material, said surfaces of the elastomeric stamp being permeable to the ~~ink~~ ink; and

forming a barrier layer on the first surface of the elastomeric stamp the barrier layer being impermeable to the ~~ink~~ ink.

12. (Withdrawn) ~~A~~ The method as claimed in claim 11, wherein the ~~step~~ act of forming a barrier layer on the first surface of the elastomeric stamp comprises anisotropically depositing a metal on the first surface of the elastomeric ~~stamp~~ stamp.

13. (Withdrawn) ~~A~~ The method as claimed in claim 12, further comprising the ~~step~~ act of oxidizing the barrier ~~layer~~ layer.

14. (Withdrawn) ~~A~~ The method as claimed in claim 11, wherein the ~~step~~ act of forming a barrier layer on the first surface of the

elastomeric stamp comprises forming a layer of polymer material on the first surface of the elastomeric ~~stamp~~ stamp.

15. (Withdrawn) ~~A~~ The method as claimed in claim 14, wherein the ~~step~~ act of forming a layer of a polymer material on the first surface of the elastomeric stamp comprises adhering a polymer material to the first surface of the elastomeric ~~stamp~~ stamp.

16. (Withdrawn) ~~A~~ The method as claimed in claim 14, wherein the ~~step~~ act of forming a layer of a polymer material on the first surface of the elastomeric stamp comprises depositing a precursor of the polymer material on the first surface of the elastomeric ~~stamp~~ stamp; and

forming the layer of the polymer material from the precursor.

17. (Withdrawn) ~~A~~ The method as claimed in claim 16, wherein the ~~step~~ act of forming the layer of the polymer material from the precursor is preceded by depositing a polymerization initiator on the first surface of the elastomeric ~~stamp~~ stamp.

18.(Withdrawn) ~~A~~ The method as claimed in claim 14, further comprising the ~~steps~~ acts of:

modifying the first surface of the ~~master~~ master; and

depositing a precursor of the polymer material on the modified first surface of the ~~master~~ master.

19.(Withdrawn) ~~A~~ The method as claimed in claim 11, wherein the ~~step~~ act of forming a layer of a second material on the first surface comprises modifying a layer of the first material at the first ~~surface~~ surface.

20.(Withdrawn) ~~A~~ The method as claimed in claim 11, further comprising the ~~step~~ act of forming a further barrier layer on the second surface of the elastomeric ~~stamp~~ stamp, the further barrier layer being impermeable to the ink.

21.(Withdrawn) ~~A~~ The method as claimed in claim 20, wherein the further barrier layer is formed from a same material as the

barrier ~~layer~~ layer.